

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/593,518
Source: IFWP
Date Processed by STIC: 9/29/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 09/29/2006

PATENT APPLICATION: US/10/593,518

TIME: 10:56:53

Input Set : A:\GM006PCT sequence listing.txt

Output Set: N:\CRF4\09292006\J593518.raw

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3 <110> APPLICANT: GENOMIDEA, INC.
5 <120> TITLE OF INVENTION: A GENE PROMOTING VASCULAR ENDOTHELIAL CELL GROWTH
7 <130> FILE REFERENCE: GM006PCT
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/593,518
C--> 10 <141> CURRENT FILING DATE: 2006-09-19
12 <150> PRIOR APPLICATION NUMBER: JP2004-81688
13 <151> PRIOR FILING DATE: 2004-03-19
15 <160> NUMBER OF SEQ ID NOS: 6
17 <170> SOFTWARE: PatentIn version 3.2
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 93
21 <212> TYPE: DNA
22 <213> ORGANISM: Homo sapiens
25 <220> FEATURE:
26 <221> NAME/KEY: CDS
27 <222> LOCATION: (1)..(93)
29 <400> SEQUENCE: 1
30 atg ctg tcc ctg ata ttt ttg cac aga ttg aag tca atg aga aaa aga      48
31 Met Leu Ser Leu Ile Phe Leu His Arg Leu Lys Ser Met Arg Lys Arg
32 1          5          10          15
34 tta gac aga aag ctc aga ttt tgg cac aga aag aac tac cca tag      93
35 Leu Asp Arg Lys Leu Arg Phe Trp His Arg Lys Asn Tyr Pro
36          20          25          30
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 30
41 <212> TYPE: PRT
42 <213> ORGANISM: Homo sapiens
44 <400> SEQUENCE: 2
46 Met Leu Ser Leu Ile Phe Leu His Arg Leu Lys Ser Met Arg Lys Arg
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51          20          25          30
54 <210> SEQ ID NO: 3
55 <211> LENGTH: 1663
56 <212> TYPE: DNA
57 <213> ORGANISM: Homo sapiens
59 <400> SEQUENCE: 3
60 gctgctattg tggaacagaa cttgcagcat tttaaaccag tgtttcagct gctggagaag      60
62 cagatactgt cccgagtccg gaacacagct agcttttagga agactgctga acgcctgctg      120
64 agatttttcag ataagagaca gactgaggag gccattgaca ggattttttgc catatcacag      180
66 caacagcagc agcaaagcaa gtcaaagaaa aaccgaaggg caggcaaacg ctataaattt      240
68 gtggatgctg tccctgatat ttttgcacag attgaagtca atgagaaaaa gattagacag      300
70 aaagctcaga ttttggcaca gaaagaacta cccatagatg aagatgaaga aatgaaagac      360

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72 ctttttagatt ttgcagatgt aacatacagag aaacataaaa atggggggctt gattaaaggc 420
74 cggtttggac aggcacggat ggtgacaact acacacagca gggcccccac actgtctgct 480
76 tcctatacca ggttggttcc gattctgaac attgctatct tctttgtcat gttggcaatg 540
78 caactgactt atttccagag ggcccagagc ctacatggcc aaagatgtct ttatgcagtt 600
80 cttctcatag atagctgtat tttattatgg ttgtactctt cttgttccca atcacagtgt 660
82 tagcactgaa gctataaatt acctggctcat tttgtgatca caagagtcta tgcaaaaaaa 720
84 aaaattttctt taccacagat tatcagattt ttttccctca gattcatttt aacaaattaa 780
86 gggaagatat tttgacacaa gaaagcagga acgtggagaa attggagcag gaaaagaaat 840
88 tatcaaagca atagaaatag cttgggtggtc ctatgggtgtt tttggaagta tttggcattg 900
90 ctaattgagc agtccatata gtactacttt tagaagaaac aaaaagtctg ttttttaaag 960
92 taatgttttt tcttatgaga aaaagggtta gatagaattg gggtttatta atattaattt 1020
94 aatgctatta gcaatttcca tatactatat tgtggaaaag actgaagaat acaattctga 1080
96 gaaatataaa aaaattttta tgggtatactc atggtgaaag ataaatgttg ctaagtcctg 1140
98 gtatgatggg gtgagcttcc ttgggggaagt acttcttgag ttatgtaact aacaggatgt 1200
100 tttactacag atctggatgg ctattcagat aacatggcaa aaaatgatag cagaagatca 1260
102 ttaaaaaactt aaaatatatt ttattagaaa acatttatct atgaatgaat atttccttga 1320
104 tgctggtctc tgcacacata tgcttggtta cttgcatgca ttcattgggt gttcaataag 1380
106 tgagatgatt acagataact taatactgta ttttccttat atggaaaacc gttatagacc 1440
108 caataacaac taaacctttc aaaagaaaat attttctatt atgaatgttg attttcatac 1500
110 caaagaagat ggagagtcta aaatttggat atgattctta tgttttttta atagaaaacc 1560
112 ttcttcaagt ttattttcct aaataaacat cataattgtg aatttaaaaa aaaaaaaa 1620
114 aaaaaaaaaa aaaaaaaaaa aaaaaagaaa aaaaaaaaaa aaa 1663
117 <210> SEQ ID NO: 4
118 <211> LENGTH: 312
119 <212> TYPE: DNA
120 <213> ORGANISM: Homo sapiens
123 <220> FEATURE:
124 <221> NAME/KEY: CDS
125 <222> LOCATION: (1)..(312)
127 <400> SEQUENCE: 4
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130 1 5 10 15
132 aat ggg ggc ttg att aaa ggc cgg ttt gga cag gca cgg atg gtg aca 96
133 Asn Gly Gly Leu Ile Lys Gly Arg Phe Gly Gln Ala Arg Met Val Thr
134 20 25 30
136 act aca cac agc agg gcc cca tca ctg tct gct tcc tat acc agg ttg 144
137 Thr Thr His Ser Arg Ala Pro Ser Leu Ser Ala Ser Tyr Thr Arg Leu
138 35 40 45
140 ttc ctg att ctg aac att gct att ttc ttt gtc atg ttg gca atg caa 192
141 Phe Leu Ile Leu Asn Ile Ala Ile Phe Phe Val Met Leu Ala Met Gln
142 50 55 60
144 ctg act tat ttc cag agg gcc cag agc cta cat ggc caa aga tgt ctt 240
145 Leu Thr Tyr Phe Gln Arg Ala Gln Ser Leu His Gly Gln Arg Cys Leu
146 65 70 75 80
148 tat gca gtt ctt ctc ata gat agc tgt att tta tta tgg ttg tac tct 288
149 Tyr Ala Val Leu Leu Ile Asp Ser Cys Ile Leu Leu Trp Leu Tyr Ser
150 85 90 95
152 tct tgt tcc caa tca cag tgt tag 312

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157 <210> SEQ ID NO: 5
158 <211> LENGTH: 103
159 <212> TYPE: PRT
160 <213> ORGANISM: Homo sapiens
162 <400> SEQUENCE: 5
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165 1                      5                      10                      15
168 Asn Gly Gly Leu Ile Lys Gly Arg Phe Gly Gln Ala Arg Met Val Thr
169                      20                      25                      30
172 Thr Thr His Ser Arg Ala Pro Ser Leu Ser Ala Ser Tyr Thr Arg Leu
173                      35                      40                      45
176 Phe Leu Ile Leu Asn Ile Ala Ile Phe Phe Val Met Leu Ala Met Gln
177                      50                      55                      60
180 Leu Thr Tyr Phe Gln Arg Ala Gln Ser Leu His Gly Gln Arg Cys Leu
181 65                      70                      75                      80
184 Tyr Ala Val Leu Leu Ile Asp Ser Cys Ile Leu Leu Trp Leu Tyr Ser
185                      85                      90                      95
188 Ser Cys Ser Gln Ser Gln Cys
189                      100
192 <210> SEQ ID NO: 6
193 <211> LENGTH: 30
194 <212> TYPE: PRT
195 <213> ORGANISM: ARTIFICIAL
197 <220> FEATURE:
198 <223> OTHER INFORMATION: CONTROL PEPTIDE
200 <400> SEQUENCE: 6
202 Arg Ser Leu Glu Gly Thr Asp Arg Phe Pro Phe Val Arg Leu Lys Asn
203 1                      5                      10                      15
206 Ser Arg Lys Leu Glu Phe Lys Asp Ile Lys Gly Ile Lys Arg
207                      20                      25                      30

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/29/2006
PATENT APPLICATION: US/10/593,518 TIME: 10:56:55

Input Set : A:\GM006PCT sequence listing.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:6

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/593,518

DATE: 09/29/2006

TIME: 10:56:55

Input Set : A:\GM006PCT sequence listing.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date